

8-555

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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: SABHA QAZ Examiner #: 74141 Date: 6/19/06
 Art Unit: 1616 Phone Number: 7-0622 Serial Number: 10/518,665
 Location (Bldg/Room#): 4A45 (Mailbox #): 4CTD Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: Fungicidal combinations of active substances
 Inventors (please provide full names): _____

Earliest Priority Date: 371 6/24/2002

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

CB 6-9.

Please search for the synergistic combination of the compd of
 formula (I) - known as TRIFLOXYSTROBIN
 formula (II) - known as PROTHIOCONAZOLE
 formula (III) - TEBU CONAZOLE
 RN 141517-21-7
 RN 178928-70-6
 RN 10753496-3

Thank you

STAFF USE ONLY

Type of Search

Vendors and cost where applicable

Searcher: _____ NA Sequence (#) _____ STN _____ Dialog
 Searcher Phone #: _____ AA Sequence (#) _____ Questel/Orbit _____ Lexis/Nexis
 Searcher Location: _____ Structure (#) _____ Westlaw _____ WWW/Internet
 Date Searcher Picked Up: _____ Bibliographic _____ In-house sequence systems
 Date Completed: _____ Litigation _____ Commercial _____ Oligomer _____ Score/Length
 _____ Interference _____ SPDI _____ Encode/Transl
 Searcher Prep & Review Time: _____ Fulltext _____ Other (specify)
 Online Time: _____ Other _____

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FILE COVERS 1907 - 25 Aug 2006 VOL 145 ISS 10
FILE LAST UPDATED: 24 Aug 2006 (20060824/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 AUG 2006 HIGHEST RN 904307-87-5
DICTIONARY FILE UPDATES: 24 AUG 2006 HIGHEST RN 904307-87-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE CASREACT

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE CONTENT:1840 - 20 Aug 2006 VOL 145 ISS 8

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*                                                                 *  
*   CASREACT now has more than 10 million reactions             *  
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Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance

identification.

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 24 Aug 2006 (20060824/PD)

FILE LAST UPDATED: 24 Aug 2006 (20060824/ED)

HIGHEST GRANTED PATENT NUMBER: US7096505

HIGHEST APPLICATION PUBLICATION NUMBER: US2006191048

CA INDEXING IS CURRENT THROUGH 24 Aug 2006 (20060824/UPCA)

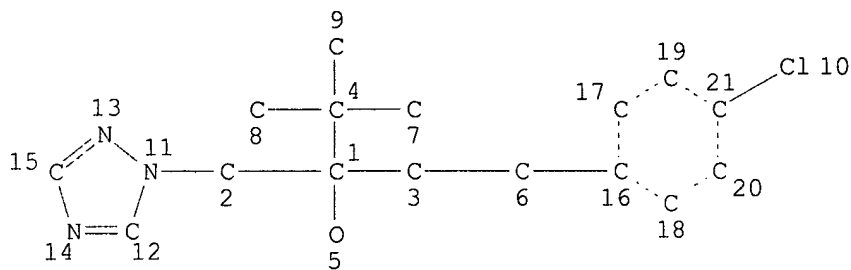
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 24 Aug 2006 (20060824/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2006

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2006

=> d que stat 130

L6 1 SEA FILE=REGISTRY ABB=ON 635288-02-7/RN
 L12 STR



NODE ATTRIBUTES:

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DEFAULT ECLEVEL IS LIMITED

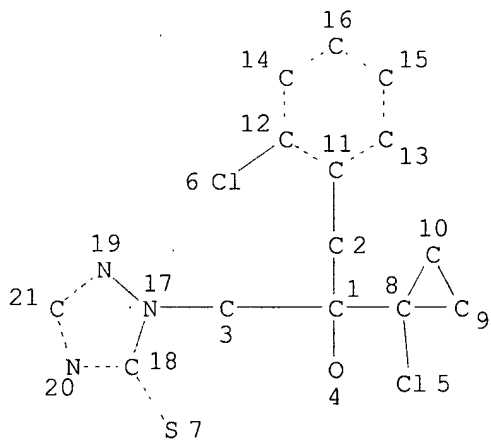
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RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE

L14 STR



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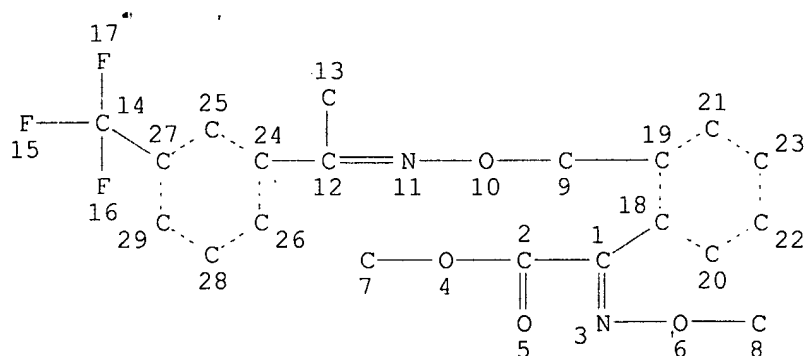
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NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE

L16 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 29

STEREO ATTRIBUTES: NONE

L18 230 SEA FILE=REGISTRY SSS FUL L12
 L19 127 SEA FILE=REGISTRY SSS FUL L14
 L20 130 SEA FILE=REGISTRY SSS FUL L16
 L21 1 SEA FILE=REGISTRY ABB=ON L18 AND L19 AND L20
 L30 1 SEA FILE=HCAPLUS ABB=ON L6 OR L21

=> d ibib abs hitstr l30 1-1

L30 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:2595 HCAPLUS

DOCUMENT NUMBER: 140:37412

TITLE: Synergistic fungicidal combinations of

trifloxystrobin, prothioconazole, and tebuconazole

INVENTOR(S): Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid;

Jautelat, Manfred; Holmwood, Graham

PATENT ASSIGNEE(S): Bayer CropScience AG, Germany

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000020	A1	20031231	WO 2003-EP6107	20030611
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,			

BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 DE* 10228103 A1 20040115 DE 2002-10228103 20020624
 AU 2003232851 A1 20040106 AU 2003-232851 20030611
 BR 2003012041 A 20050329 BR 2003-12041 20030611
 EP 1517609 A1 20050330 EP 2003-760603 20030611
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2005530829 T2 20051013 JP 2004-514690 20030611
 US 2006035942 A1 20060216 US 2005-518669 20050721
 PRIORITY APPLN. INFO.: DE 2002-10228103 A 20020624
 WO 2003-EP6107 W 20030611

AB A novel combination of fungicides comprises trifloxystrobin (I), prothioconazole (II), and tebuconazole (III) in the weight ratio of 1:(0.1-10):(0.1-10). Thus, I + II + III at 35 + 30 + 35 g/ha had a synergistic effect in control of Pyrenophora teres on barley. Said combination has very good fungicidal properties.

IT 635288-02-7

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (as synergistic fungicide)

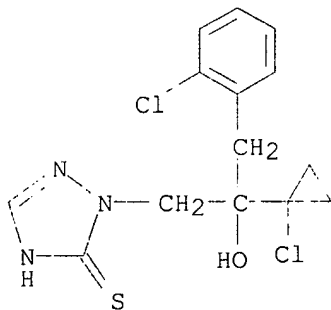
RN 635288-02-7 HCAPLUS

CN Benzeneacetic acid, α -(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (α E)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and α -[2-(4-chlorophenyl)ethyl]- α -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

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CRN 178928-70-6

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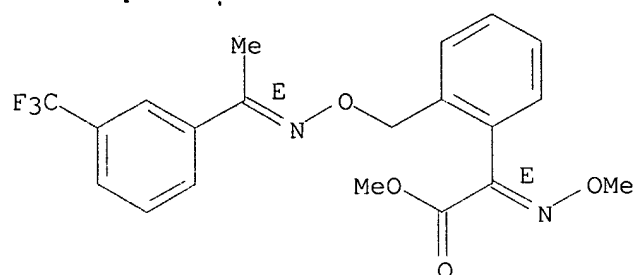


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CRN 141517-21-7

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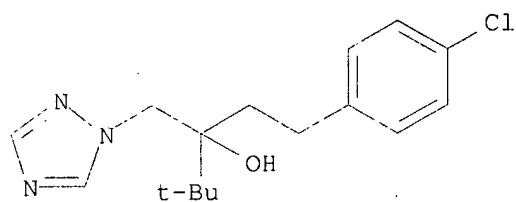
Double bond geometry as shown.



CM 3

CRN 107534-96-3

CMF C16 H22 Cl N3 O



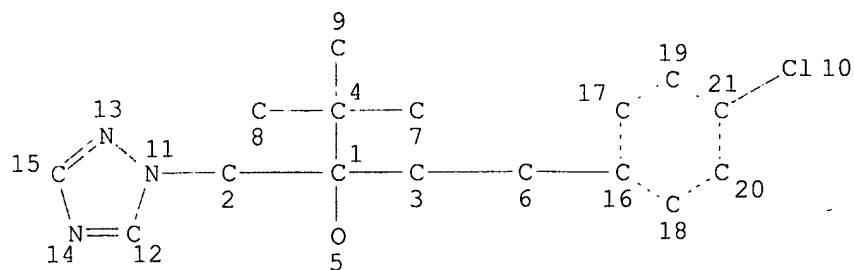
REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d que stat 131

L6 . 1 SEA FILE=REGISTRY ABB=ON 635288-02-7/RN
 L12 STR



NODE ATTRIBUTES:

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DEFAULT ECLEVEL IS LIMITED

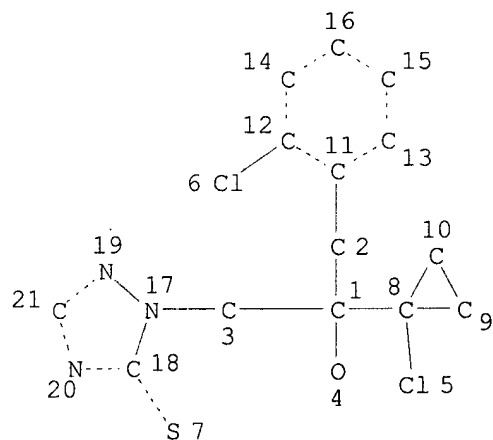
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE

L14 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

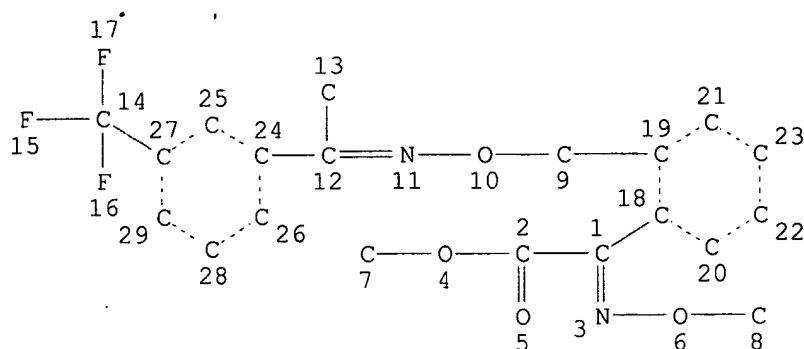
GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE

L16 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 29

STEREO ATTRIBUTES: NONE

L18 230 SEA FILE=REGISTRY SSS FUL L12

L19 127 SEA FILE=REGISTRY SSS FUL L14

L20 130 SEA FILE=REGISTRY SSS FUL L16

L21 1 SEA FILE=REGISTRY ABB=ON L18 AND L19 AND L20

L31 1 SEA FILE=USPATFULL ABB=ON L6 OR L21

=> d ibib abs hitstr l31 1-1

L31 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2006:41290 USPATFULL

TITLE: Fungicidal combinations of active substances

INVENTOR(S): Wachendorff-Neumann, Ulrike, Neuwied, UNITED KINGDOM

Mauler-Machnik, Astrid, Leichlingen, UNITED KINGDOM

Jautelat, Manfred, Burscheid, UNITED KINGDOM

Holmwood, Graham, Leuverskussen, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006035942	A1	20060216
APPLICATION INFO.:	US 2003-518669	A1	20031106 (10)
	WO 2003-EP6107		20031106
			20050721 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-10228103	20020624
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NORRIS, MCLAUGHLIN & MARCUS, P.A., 875 THIRD AVE, 18TH FLOOR, NEW YORK, NY, 10022, US	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1-5	
LINE COUNT:	258	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB The present invention relates to a novel fungicidally active compound		

combination of 2-[α -{[(α -methyl-3-trifluoromethylbenzyl)imino]oxy}-o-tolyl]glyoxylic acid methyl ester
O-methyl oxime of the formula (I) ##STR1## and the active compounds
of formulae (II) and (III) mentioned in the disclosure.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 635288-02-7

(as synergistic fungicide)

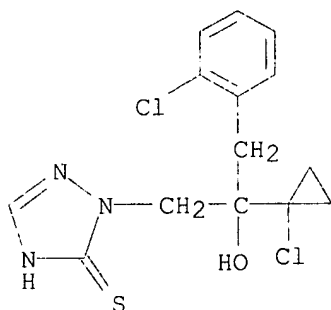
RN 635288-02-7 USPATFULL

CN Benzeneacetic acid, α -(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (α E)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and α -[2-(4-chlorophenyl)ethyl]- α -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

CM 1

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S



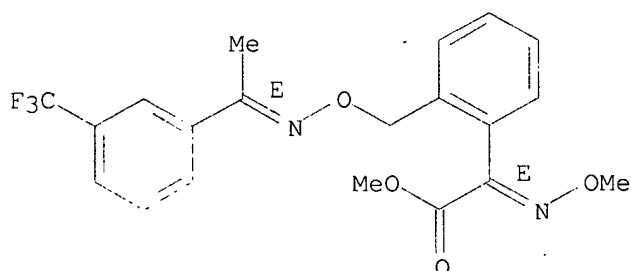
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CRN 141517-21-7

CMF C20 H19 F3 N2 O4

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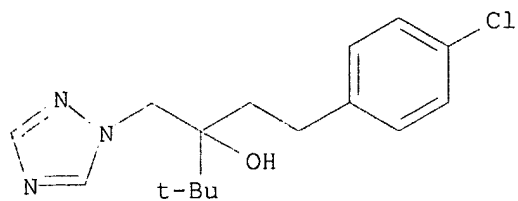
Double bond geometry as shown.



CM 3

CRN 107534-96-3

CMF C16 H22 Cl N3 O



Qazi 10/518,669

25/08/2006

=> d ibib abs ind 15 1-1

L5 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:2595 HCAPLUS
 DOCUMENT NUMBER: 140:37412
 TITLE: Synergistic fungicidal combinations of
 trifloxystrobin, prothioconazole, and tebuconazole
 INVENTOR(S): Wachendorff-Neumann, Ulrike;
 Mauler-Machnik, Astrid; Jautelat,
 Manfred; Holmwood, Graham
 PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000020	A1	20031231	WO 2003-EP6107	20030611
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2003232851	A1	20040106	AU 2003-232851	20030611
BR 2003012041	A	20050329	BR 2003-12041	20030611
EP 1517609	A1	20050330	EP 2003-760603	20030611
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005530829	T2	20051013	JP 2004-514690	20030611
US 2006035942	A1	20060216	US 2005-518669	20050721
PRIORITY APPLN. INFO.:			DE 2002-10228103	A 20020624
			WO 2003-EP6107	W 20030611

AB A novel combination of fungicides comprises trifloxystrobin (I),
 prothioconazole (II), and tebuconazole (III) in the weight ratio of
 1:(0.1-10):(0.1-10). Thus, I + II + III at 35 + 30 + 35 g/ha had a
 synergistic effect in control of Pyrenophora teres on barley. Said
 combination has very good fungicidal properties.

IC ICM A01N043-653

ICS A01N037-50

CC 5-2 (Agrochemical Bioregulators)

ST synergistic fungicide trifloxystrobin prothioconazole tebuconazole

IT Fungicides

(synergistic; prothioconazole-tebuconazole-trifloxystrobin mixture as)

IT 635288-02-7

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL

(Biological study); USES (Uses)

(as synergistic fungicide)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Qazi 10/518,669

25/08/2006